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Data Sheet

Gravity flow Strep-Tactin®XT 4Flow® High Capacity column

Cat. No.: 2-5031-001, 2-5031-005, 2-5032-001, 2-5033-001, 2-5034-001

Lot No.:

Version: 1.0
Revision Date: 02.03.2020

Description	Ready-to-use column with Strep-Tactin®XT high capacitiy resin for the purification of Strep-tag®II and Twin-Strep-tag® fusion proteins. Strep-Tactin®XT is a streptavidin variant with optimized binding properties for Strep-tag® fusion proteins.
Support	4% agarose, crosslinked
Form	Pre-packed in buffer, pH 8.0: 100 mM Tris/HCl pH 8.0, 1 mM EDTA, 150 mM NaCl, 0.02% sodium azide
Dynamic Binding Capacity	16 mg protein/ml resin. Dynamic binding capacity was determined with 1 mg/ml mCherry-Twin-Strep-tag® (30 kDa) at a flow rate of 0.5 ml/min. Please note: Binding capacity is protein dependent.
Stability	6 months after shipping
Storage	recommended: 2–8 °C
Shipping	room temperature
Hazards	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.

Elution	Strep-Tactin®XT Elution Buffer with Biotin (10 x Buffer BXT, Cat. No. 2-1042-025); 1 x Buffer BXT: 100 mM Tris-HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, 50 mM biotin
Regeneration	Regenerate the column by using Strep-Tactin®XT Regeneration Buffer (3 M $MgCl_2$, Cat. No. 2-1045-250)

* Voss, S. & Skerra, A. (1997) Mutagenesis of a flexible loop in streptavidin leads to higher affinity for the *Strep*-tag II peptide and improved performance in recombinant protein purification. *Protein Eng.* 10, 975-982.

Please download all up-to-date manuals, protocols and other material from https://www.iba-lifesciences.com.

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